

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/084,846  
Source: O IPE  
Date Processed by STIC: 4/23/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

# Raw Sequence Listing Error Summary

01PE

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 101084,846

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☒ **Wrapped Nucleics  
Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☐ **Misaligned Amino  
Numbering** The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☒ **Variable Length** Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ **PatentIn 2.0  
"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ **Skipped Sequences  
(OLD RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ **Skipped Sequences  
(NEW RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9 ☐ **Use of n's or Xaa's  
(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☐ **Invalid <213>  
Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ☐ **Use of <220>** Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp.29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ **PatentIn 2.0  
"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ **Misuse of n** n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



Does Not Comply  
Corrected Diskette Needed

OIIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/084,846

DATE: 04/23/2003  
TIME: 12:03:31

Sample errors  
on pp. 2-6

Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF4\04232003\J084846.raw

3 <110> APPLICANT: Weitnauer, Gabriele  
4 Muhlenweg, Agnes  
5 Trefzer, Axel  
6 Bechthold, Andreas  
8 <120> TITLE OF INVENTION: Avilamycin Derivatives  
10 <130> FILE REFERENCE: 1974.005  
12 <140> CURRENT APPLICATION NUMBER: US 10/084,846  
13 <141> CURRENT FILING DATE: 2002-02-25  
15 <150> PRIOR APPLICATION NUMBER: PCT/EP01/09815  
16 <151> PRIOR FILING DATE: 2001-08-24  
18 <150> PRIOR APPLICATION NUMBER: DE 101 09 166.4  
19 <151> PRIOR FILING DATE: 2001-02-25  
21 <160> NUMBER OF SEQ ID NOS: 122  
23 <170> SOFTWARE: PatentIn Ver. 2.1

## ERRORED SEQUENCES

25 <210> SEQ ID NO: 1  
26 <211> LENGTH: 50000  
27 <212> TYPE: DNA  
28 <213> ORGANISM: Streptomyces viridochromogenes  
30 <220> FEATURE:  
31 <223> OTHER INFORMATION: Nucleotides 1-50000 of Coding strand 1 of the avilamycin  
32 biosynthetic gene cluster of Streptomyces viridochromogenes. The  
33 remainder of the nucleotide sequence of coding strand 1 is shown in  
34 SEQ ID NO. 2.  
37 <400> SEQUENCE: 1  
38 ggatccacca tccgtacggc ggcgaacgtc gacagaagct ggatcgacac ggacgcgcgc 60  
39 gcggttggtca gcgaccgcct cgcgggcctc ccggtgacgg tggtaacga cgcggacgcg 120  
40 gccggcgctcg ccgagatgca ctccggcgcg ggccgcgacc gccggggcac cgtgatcctc 180  
41 ctccaccctcg gcacgggcat cggcagcgcg ctgttcacg acggcgccct ggtccccaac 240  
42 acggagctgg gccacctcga actccatggc catgacgcg agaagcgcg ctccagcaag 300  
43 gccagggagg acgaggagct gagctgggag cactgggccc gccgcgtcca gaagtacctc 360  
44 gcccatgtcg agatgtgtt ctccccggag ctgttcacga tcggcgggcg ggtgagccgc 420  
45 aagtcccaca agttctgca cctcatcgag ggcataaagg cggagatcgt cccggcccag 480  
46 ctgcagaaca acgcccggat cgtcggggcg gcatgacggg cggcgagaa ggacggctag 540  
47 gccccgcgac gccgggggtga tccagacgac agggcctggc ggcggtcacc tggaccggcg 600  
48 gcggggcgcg gccctgcggg ccagcagccg gatcttccgt gcggtcacga tgagaccggc 660  
49 gatcagcgtc cctccgtaca gccaccggc ctgggtggcg agggcggtga agagcccat 720  
50 caggtgtccg ccgatcccc cgcgctgtc ggccaccggc accagccca cggcgaaggc 780  
51 gatcggtacc accaccggcg cggtcgccg gtcgccctg cgcaccaca ccgccgtcag 840  
52 gacgcacacg ggcaggaaca gcacgtgtga cagcgtgagc gacgaccga acagcagcga 900

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Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF4\04232003\J084846.raw

*unipped nucleics*

200 gcacagaccg ccaccacccat tggacgccgc ccgggggtgt tccggtccgc agtctctttc 9780  
 201 ttgtccacag tcaactccagt atggctgcgt tccgccggcg ggggcactcg cgagtgtcag 9840  
 202 tcgtcattca tcgtacgaac tgctttctaa gaaatgtgct aaagaatcgg cggctccgac 9900  
 203 cgcattggcg ctgttagtct cgaagcgtcg gcctaccaga acgactggac aggtgagggg 9960  
 E--> 204 tgttggaagc agggcgccctc attcgggcga atgacccggt gctgacctat cgcggcgccg  
 205 10020  
 E--> 206 tctccctcca ggaggtcgac ggtggaatag cgccctggcg aatacctttt caggaacggc  
 207 10080  
 E--> 208 acctgttctt tcccaggggc ggcgtgggac gcgccgcgat gccgacgggg gtgcgggtca  
 209 10140  
 E--> 210 ctttccggac cgacgccgag gggctcgcat tccggtacgc ggcccgctct gccccgaga  
 211 10200  
 E--> 212 tgccggggccc gcccagagac gcgcacgtcg acgtacgagt ggacggcaag ccggtcgcca  
 213 10260  
 E--> 214 gcctccccct ggtgaccgac cgggaggtcc acacgtgccg ggtcggggca ctgccgggag  
 215 10320  
 E--> 216 gcagcgaccg ccttgtggag ctgtggctgc ccggcctgaa ccagttcgtc ctgcacggcg  
 217 10380  
 E--> 218 tggagttacc ggcaggcgcc gaggtgggccc gggacaccca taccgcgccc cgctgggtcc  
 219 10440  
 E--> 220 actacggggc ctccgagtcg cagggcagag gggcgctgtc gcccaccgag aactggaccg  
 221 10500  
 E--> 222 cgaccgtcgc caccgaactc gggctggacc tgacctcgtc ggcgatcggg gcgggctgct  
 223 10560  
 E--> 224 acctccagcc gctcttcgag accctgctcc gcgacctgcc cgccgatctg atcacgtgca  
 225 10620  
 E--> 226 tggtcggcat gaacatctat ggcgcgctgt ccctgaacca gttcacctac cggccgaacc  
 227 10680  
 E--> 228 tggtcgggct ggtccggatc atccgggagc gacacccctc gaccccgctg gtcacgcgtc  
 229 10740  
 E--> 230 cccaccacta ctgcacctgg cagcaccgac tggaaggaga cggctacctg tccttgacgg  
 231 10800  
 E--> 232 aggtccggga gcagaccgct gaggtggtcg atctgctgag cgcgacgggc gacgagaacg  
 233 10860  
 E--> 234 tccactacgt ccacggcccg agcctcgccg gcccgaagc cgcccacctg tacgtcgagc  
 235 10920  
 E--> 236 cgcggtacac cgatccgctg cacttcaacc aggaggggca cgacctgctg gcggccgctt  
 237 10980  
 E--> 238 tccagcggaa gctcgtggag ctggtgccgg acctggtgag gtccctgactc ccggactctc  
 239 11040  
 E--> 240 cccgcaaggc actgcggatc taggaacccg cggacgtatc ggggtggatg tcggatccct  
 241 11100  
 E--> 242 ctgcacgccc gatgtgtccg ggaagcccg gggcgaaggc aaccagtccg gcctgaagac  
 243 11160  
 E--> 244 gggattcgac cccgagcttc gccagtatct gggccatatt agccttgacg gtgcgctcgg  
 245 11220  
 E--> 246 tgaccccgag cagcgcggcg atctcacggt tggagtagcc gtggctcagc aggaggaaga  
 247 11280  
 E--> 248 cctggagctc gcggtcggag agtaaagtga cctggctgag cccttcacgc caggggaact

*throughout**- See error**Summary sheet  
item 1.*

## RAW SEQUENCE LISTING

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Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF4\04232003\J084846.raw

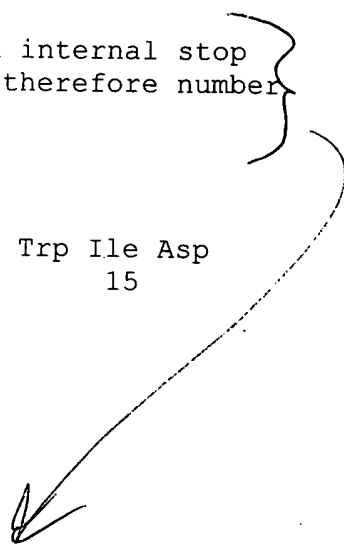
```
2539 29220
E--> 2540 cagccggagt cgggggcgca gaccggttcg atgatctcga cgggtcaactg gtogtaccag
2541 29280
E--> 2542 tcgttgagct gggggacggg catctccgtg gccacctcag accgacctct cttoegcgcg
2543 29340
E--> 2544 gggcggttgg tccccgctgc cgtccagctc gggcgcgctc gccagcagtt cgtccagggc
2545 29400
E--> 2546 ggcgagctcg gcctcgctga ggtcgaggtc caccggcccg acgctgtcct ccaggtgctc
2547 29460
E--> 2548 gggaagctgg gcgccgatga ccgggatgac tcccagaggg tgggccagca cccaggcaag
2549 29520
E--> 2550 cgcgagctgg gcgacactgt gcccgcgttc ggcgggcgaa tccttcagcc ggtccacggc
2551 29580
E--> 2552 cgcgagcagc ttggcgaagc gttcgccctg gaaggtcggg gagtaggcgc gccagtcgtc
2553 29640
E--> 2554 gggcggggaa acctggccgg gacggagcgc tcccgccagc acccgtgctg cgagcgccga
2555 29700
E--> 2556 ccaccccatg acgccgatcc cggcagcggc gcagtgcggc agcacctgct tctcgatgcc
2557 29760
E--> 2558 gcggtcgagc atgttgaaac gcacctgggc gacctgcggg gtgacgacgg aggagaattc
2559 29820
E--> 2560 ggccatttcc togacggtga agttggagac gcccacgtac cgggcgagcc cttcctccac
2561 29880
```

<210> 5  
<211> 19938  
<212> PRT  
<213> Streptomyces viridochromogenes

<220>  
<223> Protein 1: amino acid sequence encoded by coding strand 1. Start  
codon: gga, Start position: nucleotide 1.

<220>  
<223> Xaa stands, not for an amino acid, but for an internal stop  
codon in the CDS. The amino acids in the sequence, therefore number  
only 19,695

<400> 5  
Gly Ser Thr Ile Arg Thr Ala Ala Asn Val Asp Arg Ser Trp Ile Asp  
1 5 10 15



Xaa can only represent  
an amino ~~acid~~, and  
only a single residue.

See error summary sheet  
item 5

<210> 6  
<211> 19938  
<212> PRT  
<213> Streptomyces viridochromogenes

<220>  
<223> Protein 2: amino acid sequence encoded by coding strand 1. Start  
codon: gat, Start position: nucleotide 2.

<220>  
<223> Xaa stands, not for an amino acid, but for an internal stop  
codon in the CDS. The number of amino acids in the sequence, therefore  
number only 19,725

} Done  
enr

<400> 6  
Asp Pro Pro Ser Val Arg Arg Arg Thr Ser Thr Glu Ala Gly Ser Thr  
1 5 10 15

<210> 7  
<211> 19938  
<212> PRT  
<213> Streptomyces viridochromogenes

<220>  
<223> Protein 3: amino acid sequence encoded by coding strand 1. Start  
codon: atc, Start position: nucleotide 3.

<220>  
<223> Xaa stands, not for an amino acid, but for an internal stop  
codon in the CDS. The number of amino acids in the sequence, therefore  
number only 19,723

} Some  
Error

<400> 7  
Ile His His Pro Tyr Gly Gly Glu Arg Arg Gln Lys Leu Asp Arg His  
1 5 10 15



## VARIABLE LOCATION SUMMARY

DATE: 04/23/2003

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Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF4\04232003\J084846.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:5; Xaa Pos. 180,552,662,691,744,812,879,951,1134,1163,1179,1215,1293  
Seq#:5; Xaa Pos. 1312,1345,1350,1352,1465,1502,1507,1509,1550,1612,1640  
Seq#:5; Xaa Pos. 1683,1877,1936,2053,2086,2142,2244,2256,2294,2438,2498  
Seq#:5; Xaa Pos. 2534,2576,2660,2688,2707,2969,3037,3290,3294,3335,3350  
Seq#:5; Xaa Pos. 3425,3453,3511,3537,3544,3552,3599,3736,3741,3773,3853  
Seq#:5; Xaa Pos. 3872,3981,3986,4025,4034,4053,4103,4174,4365,4391,4591  
Seq#:5; Xaa Pos. 4891,4962,5008,5096,5141,5202,5204,5214,5299,5314,5361  
Seq#:5; Xaa Pos. 5400,5415,5420,5424,5435,5453,5496,5507,5509,5534,5550  
Seq#:5; Xaa Pos. 5576,5594,5668,5679,5767,5791,5890,6161,6208,6235,6360  
Seq#:5; Xaa Pos. 6374,6522,6544,6575,6593,7173,7217,7222,7225,7261,7324  
Seq#:5; Xaa Pos. 7377,7959,7975,7981  
Seq#:5; Xaa Pos. 8028,8061,8070,8074,8247,8312,8338,8354,8374,8502,8588  
Seq#:5; Xaa Pos. 8726,8831,8878,8889,8953,9151,9170,9183,9232,9509,9837  
Seq#:5; Xaa Pos. 9859,9943,10084,10411,10454,10469,10507,10619,10631,11397  
Seq#:5; Xaa Pos. 11450,11468,11492,11525,11607,11622,11633,11779,12318  
Seq#:5; Xaa Pos. 12328,12419,12420,12492,12597,12604,12629,12637,13333  
Seq#:5; Xaa Pos. 13374,13387,13441,13469,13481,13491,13546,13561,13609  
Seq#:5; Xaa Pos. 13627,13628,13631,13648,13667,13790,13937,14222,14289  
Seq#:5; Xaa Pos. 14336,14391,14412,14480,14535,14536,14538,14575,14584  
Seq#:5; Xaa Pos. 14591,14615,14617,14621,14627,14671,14688,14719,14764  
Seq#:5; Xaa Pos. 14766,14777,14781,14804,15091,15332,15438,15471,15472  
Seq#:5; Xaa Pos. 15493,15852,15897,15902  
Seq#:5; Xaa Pos. 16058,16113,16132,16165,16193,16242,16280,16289,16657  
Seq#:5; Xaa Pos. 16781,17240,17331,18173,18186,18194,18233,18248,18260  
Seq#:5; Xaa Pos. 18315,18329,18525,18628,19146,19259,19344,19694,19906  
Seq#:5; Xaa Pos. 19916  
Seq#:6; Xaa Pos. 32,58,107,138,303,461,520,625,947,1050,1097,1125,1236,1250  
Seq#:6; Xaa Pos. 1286,1303,1310,1314,1445,1446,1449,1525,1633,1931,1984  
Seq#:6; Xaa Pos. 2006,2016,2021,2022,2029,2201,2230,2250,2349,2621,2638  
Seq#:6; Xaa Pos. 2691,2835,2863,3065,3075,3086,3105,3331,3607,3768,3806  
Seq#:6; Xaa Pos. 3814,3831,3836,3883,3928,3953,4060,4091,4149,4156,4204  
Seq#:6; Xaa Pos. 4229,4294,4334,4401,4587,5002,5147,5151,5497,5725,5801  
Seq#:6; Xaa Pos. 5840,7167,7170,7182,7196,7220,7586,7597,7643,7649,7781  
Seq#:6; Xaa Pos. 7783,7856,7861,7928,7946  
Seq#:6; Xaa Pos. 8171,8330,8334,8341,8348,8575,8651,8713,8949,9188,9597  
Seq#:6; Xaa Pos. 9658,9738,9811,10184,10551,11001,11075,11161,11183,11227  
Seq#:6; Xaa Pos. 11297,11308,11378,11382,11390,11701,11984,11993,12008  
Seq#:6; Xaa Pos. 12083,12190,12242,12281,12315,12316,12479,12575,12990  
Seq#:6; Xaa Pos. 12991,12994,13029,13055,13132,13253,13312,13369,13381  
Seq#:6; Xaa Pos. 13458,13549,13550,13623,13659,13702,14216,14246,14253  
Seq#:6; Xaa Pos. 14710,14744,14745,14756,14758,14772,14789,14795,14807  
Seq#:6; Xaa Pos. 14813,14818,14899,14911,14946,14983,15442,15504,15559  
Seq#:6; Xaa Pos. 15569,15603,15714,15718,15743,15745,15803,15824

**VARIABLE LOCATION SUMMARY**

DATE: 04/23/2003

PATENT APPLICATION: US/10/084,846

TIME: 12:03:32

Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF4\04232003\J084846.raw

Seq#:6; Xaa Pos. 16044,16096,16170,16284,16321,16347,16352,16354,16421  
Seq#:6; Xaa Pos. 16429,16440,16442,16446,16635,16979,17137,17166,17190  
Seq#:6; Xaa Pos. 17270,17309,17551,17592,17714,17731,17746,17797,17821  
Seq#:6; Xaa Pos. 17941,18080,18288,18293,18394,18518,18541,18542,18708  
Seq#:6; Xaa Pos. 19252,19520,19526,19544,19848,19852,19856,19875,19897  
Seq#:7; Xaa Pos. 91,186,217,236,292,403,441,493,892,929,959,971,1036,1060  
Seq#:7; Xaa Pos. 1161,1169,1288,1686,1736,1798,1834,1873,1904,2101,2145  
Seq#:7; Xaa Pos. 2276,2282,2284,2579,2608,2967,3027,3033,3305,3318,3675

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/084,846

DATE: 04/23/2003

TIME: 12:03:32

Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF4\04232003\J084846.raw

L:204 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:10020 SEQ:1  
 M:254 Repeated in SeqNo=1  
 L:1898 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:10020 SEQ:3  
 M:254 Repeated in SeqNo=3  
 L:3461 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:5  
 L:3461 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:5  
 L:3461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:176  
 M:341 Repeated in SeqNo=5  
 L:5302 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5  
 M:332 Repeated in SeqNo=5  
 L:7189 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:6  
 L:7189 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:6  
 L:7189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16  
 M:341 Repeated in SeqNo=6  
 L:9059 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6  
 M:332 Repeated in SeqNo=6  
 L:10958 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:7  
 L:10958 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:7  
 L:10958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:80  
 M:341 Repeated in SeqNo=7  
 L:12817 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7  
 M:332 Repeated in SeqNo=7  
 L:14704 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:8  
 L:14704 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:8  
 L:14704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16  
 M:341 Repeated in SeqNo=8  
 L:16574 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8  
 M:332 Repeated in SeqNo=8  
 L:18459 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:9  
 L:18459 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:9  
 L:18459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
 M:341 Repeated in SeqNo=9  
 L:20333 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:9  
 M:332 Repeated in SeqNo=9  
 L:22230 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:10  
 L:22230 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:10  
 L:22230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:64  
 M:341 Repeated in SeqNo=10  
 L:24091 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:10  
 M:332 Repeated in SeqNo=10  
 L:26182 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:17, Line#:26180  
 L:26605 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:27425 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:31478 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:118

This application file contains additional errors !  
 Only the first 1000 errors are shown above !